

Title (en)

DEVICE FOR POWERING AN ELECTRONIC CIRCUIT, IN PARTICULAR A DIGITAL CIRCUIT, AND ASSOCIATED METHOD

Title (de)

VORRICHTUNG ZUM ANTREIBEN EINER ELEKTRONISCHEN SCHALTUNG, INSBESONDERE EINER DIGITALSCHALTUNG, UND ENTSPRECHENDES VERFAHREN

Title (fr)

DISPOSITIF D'ALIMENTATION D'UN CIRCUIT ÉLECTRONIQUE, EN PARTICULIER D'UN CIRCUIT NUMÉRIQUE, ET PROCÉDÉ ASSOCIÉ

Publication

**EP 2250541 A2 20101117 (FR)**

Application

**EP 09721479 A 20090306**

Priority

- FR 2009050369 W 20090306
- FR 0851471 A 20080306

Abstract (en)

[origin: WO2009115744A2] The method relates to a device for powering an electronic circuit (10) able to apply at least a first voltage (V<sub>high</sub>) or a second voltage (V<sub>low</sub>) different from the first voltage to the electronic circuit. This device comprises in particular a performance monitor (22) able to receive an item of information defining a constraint (C) and to determine a first duration and a second duration which are such that the operation of the circuit at a first frequency (F<sub>high</sub>) associated with the first voltage (V<sub>high</sub>) for the first duration and at a second frequency (F<sub>low</sub>) associated with the second voltage (V<sub>low</sub>) for the second duration complies with said constraint (C). The device applies (24, 20, 14) to the circuit (10) the first voltage (V<sub>high</sub>) and the first frequency (F<sub>high</sub>) for the first duration and the second voltage (V<sub>low</sub>) and the second frequency (F<sub>low</sub>) for the second duration.

IPC 8 full level

**G06F 1/32** (2006.01); **G06F 1/08** (2006.01); **H02J 1/04** (2006.01)

CPC (source: EP US)

**G06F 1/3203** (2013.01 - EP US); **G06F 1/324** (2013.01 - US); **G06F 1/3287** (2013.01 - EP US); **G06F 1/3296** (2013.01 - US); **Y02D 10/00** (2017.12 - EP US)

Citation (search report)

See references of WO 2009115744A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**FR 2928496 A1 20090911**; **FR 2928496 B1 20150925**; EP 2250541 A2 20101117; JP 2011518364 A 20110623; JP 2014089748 A 20140515; US 2011029795 A1 20110203; US 8621257 B2 20131231; WO 2009115744 A2 20090924; WO 2009115744 A3 20091203

DOCDB simple family (application)

**FR 0851471 A 20080306**; EP 09721479 A 20090306; FR 2009050369 W 20090306; JP 2010549185 A 20090306; JP 2013272476 A 20131227; US 92110309 A 20090306